

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011523.D
 Acq On : 26 Jul 2019 18:24
 Operator : SY/VA
 Sample : K3620-11
 Misc : 6.95G/5.0ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-072519-A

Quant Time: Jul 27 05:32:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	243730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	140595	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	154112	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
35) Dibromofluoromethane	7.88	113	119892	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
50) Toluene-d8	10.32	98	495315	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
62) 4-Bromofluorobenzene	12.62	95	166129	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	

Target Compounds

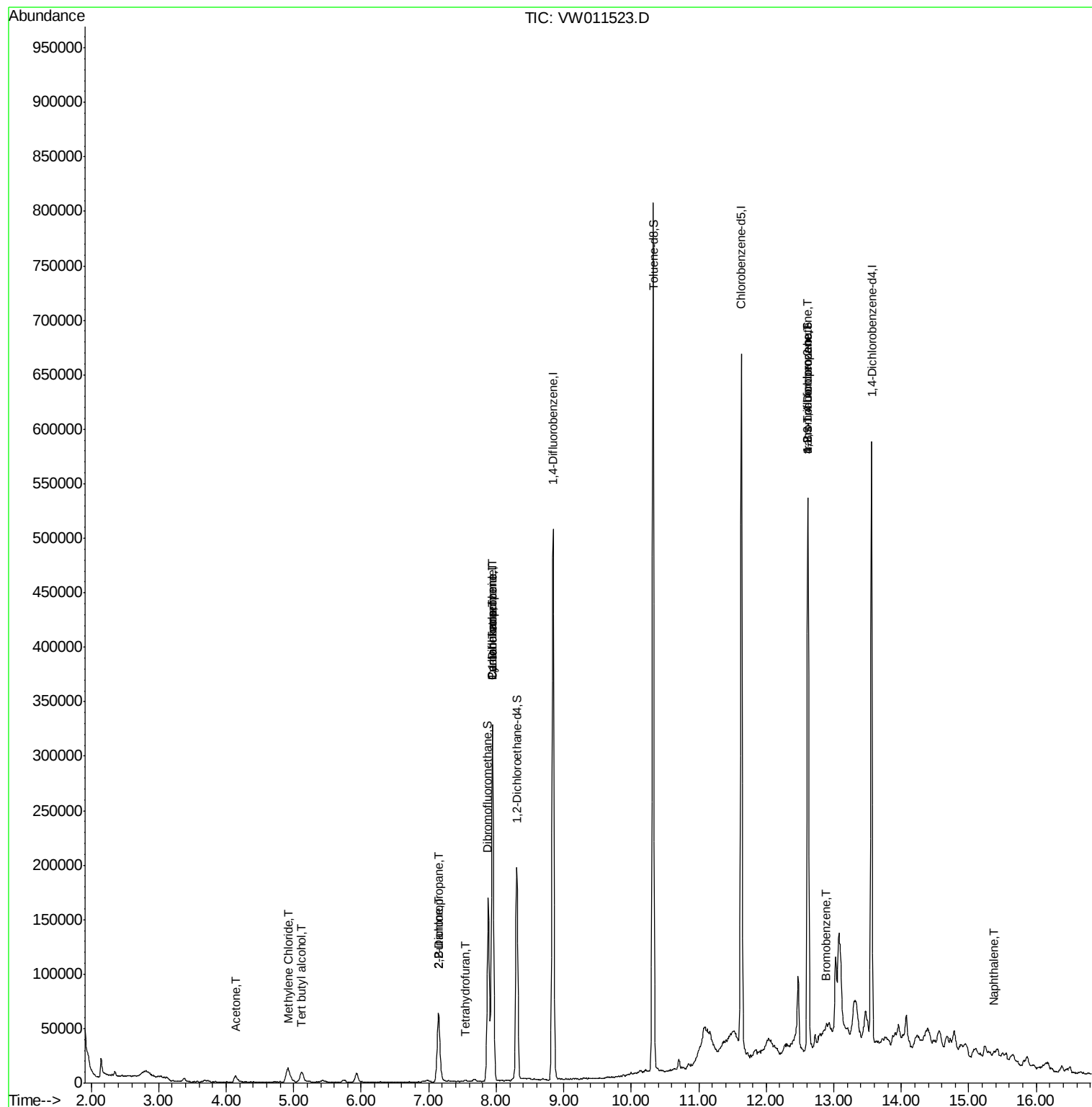
						Qvalue
11) Tert butyl alcohol	5.12	59	9058	28.023	ug/l #	73
16) Acetone	4.14	43	12314	13.832	ug/l #	88
20) Methylene Chloride	4.92	84	8669	2.823	ug/l	96
25) 2-Butanone	7.14	43	5374	4.613	ug/l #	78
26) 2,2-Dichloropropane	7.15	77	4565	1.362	ug/l #	56
29) Tetrahydrofuran	7.54	42	1397	2.098	ug/l #	81
31) Cyclohexane	7.94	56	5859	1.120	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20135	4.806	ug/l #	53
38) Carbon Tetrachloride	7.95	117	24522	6.838	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	86925	58.431	ug/l #	100
77) Bromobenzene	12.88	156	10718	4.623	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	86925	134.663	ug/l #	6
95) Naphthalene	15.36	128	1706	2.361	ug/l #	76

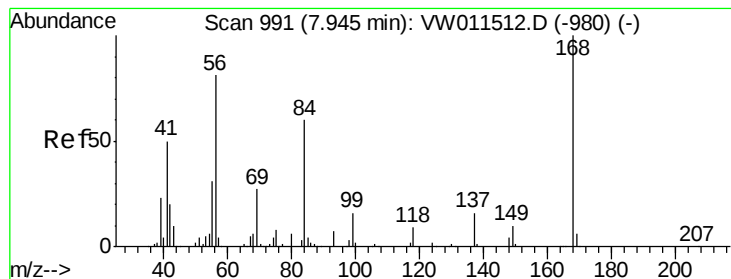
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072719\
Data File : VW011523.D
Acq On : 26 Jul 2019 18:24
Operator : SY/VA
Sample : K3620-11
Misc : 6.95G/5.0ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CL-02-072519-A

Quant Time: Jul 27 05:32:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011523.D

Acq: 26 Jul 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

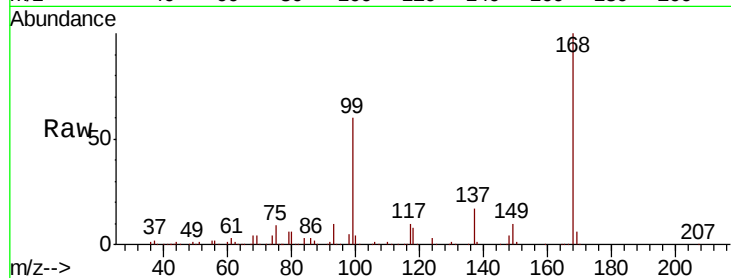
CL-02-072519-A

Tot Ion:168 Resp: 243730

Ion Ratio Lower Upper

168 100

99 60.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

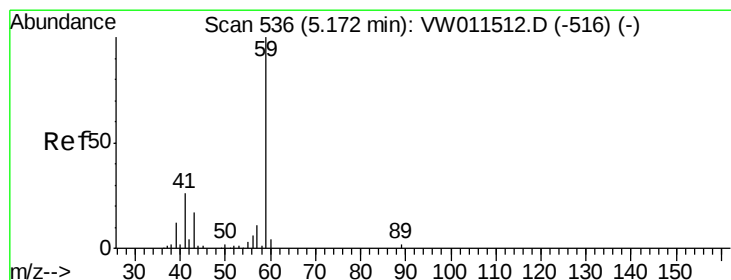
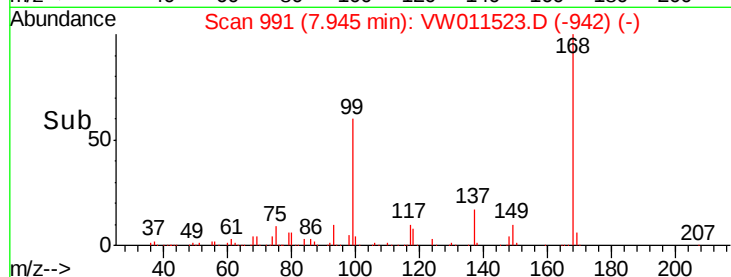
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 28.023 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011523.D

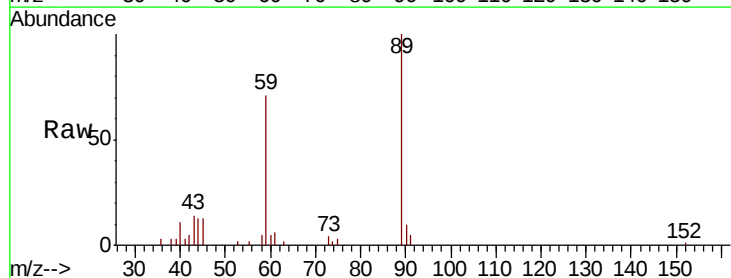
Acq: 26 Jul 2019 18:24

Tgt Ion: 59 Resp: 9058

Ion Ratio Lower Upper

59 100

57 0.5 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

3000

2500

2000

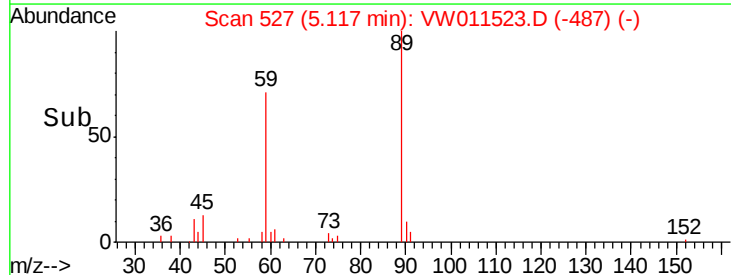
1500

1000

500

0

Time-->





#16

Acetone

Concen: 13.832 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011523.D

Acq: 26 Jul 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

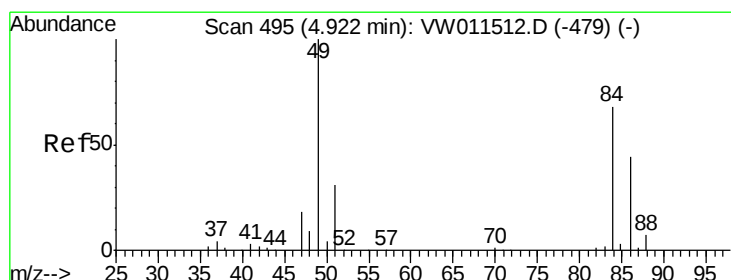
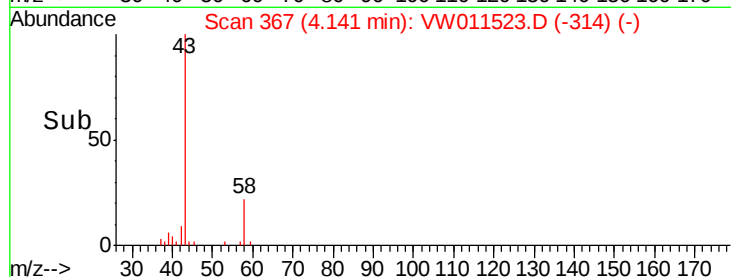
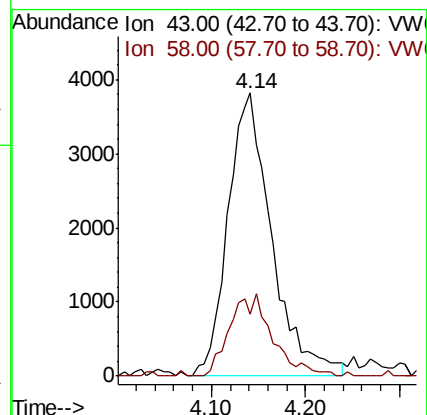
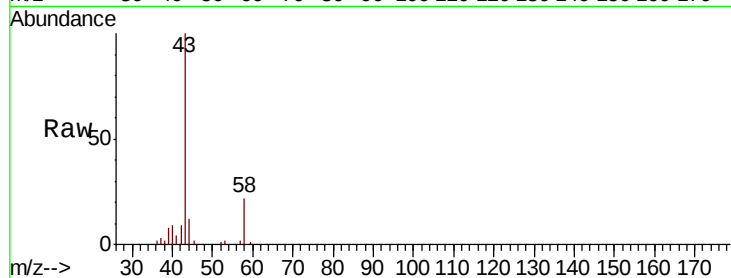
CL-02-072519-A

Tot Ion: 43 Resp: 12314

Ion Ratio Lower Upper

43 100

58 21.8 22.3 33.5#



#20

Methylene Chloride

Concen: 2.823 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011523.D

Acq: 26 Jul 2019 18:24

Tgt Ion: 84 Resp: 8669

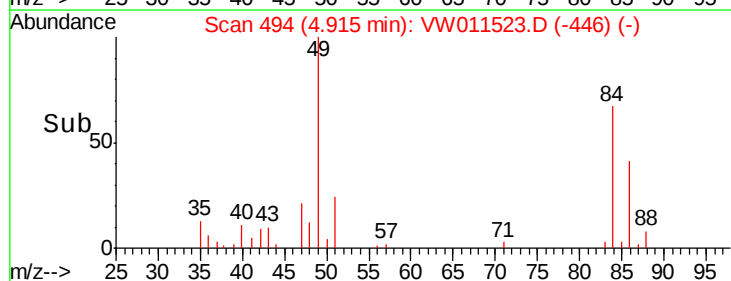
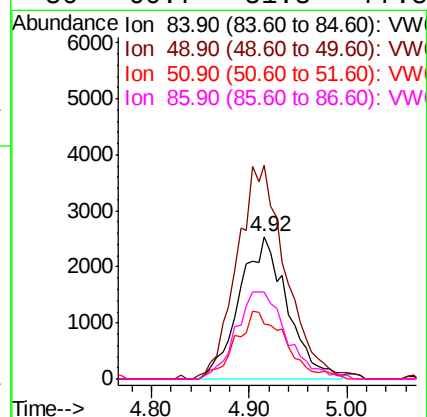
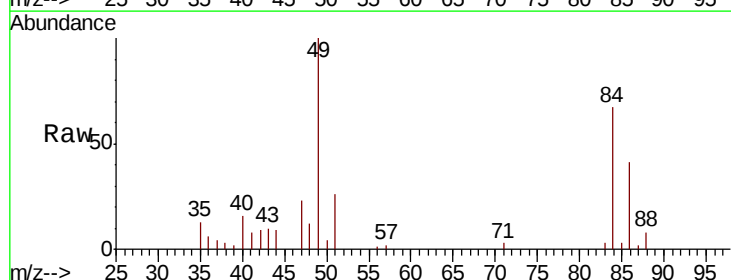
Ion Ratio Lower Upper

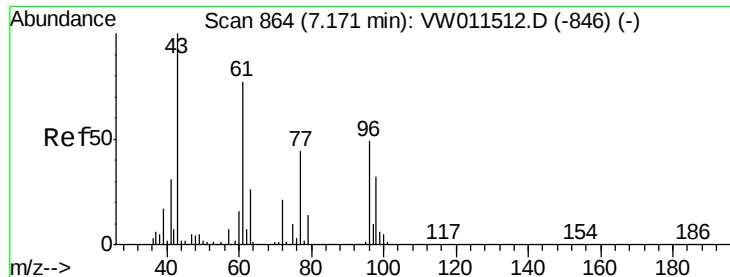
84 100

49 149.7 117.8 176.6

51 38.5 37.0 55.4

86 60.7 51.8 77.8





#25

2-Butanone

Concen: 4.613 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011523.D

Acq: 26 Jul 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

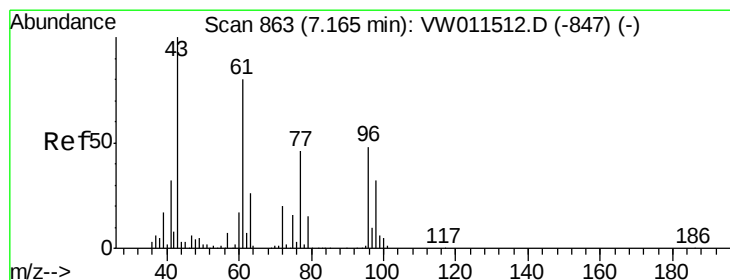
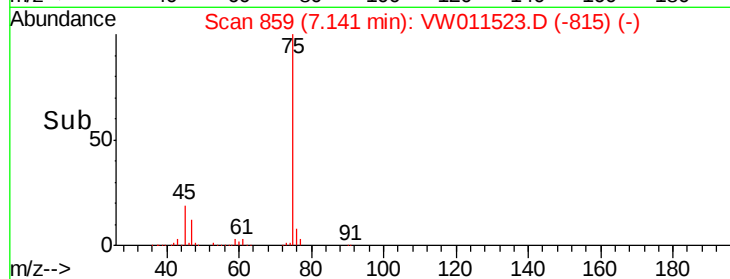
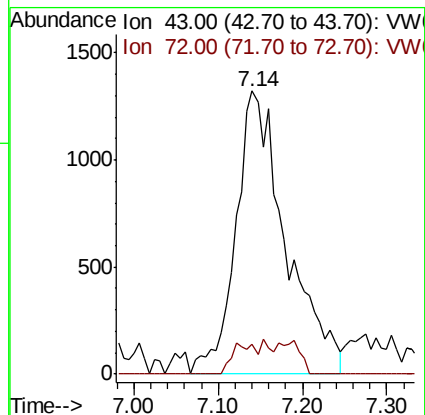
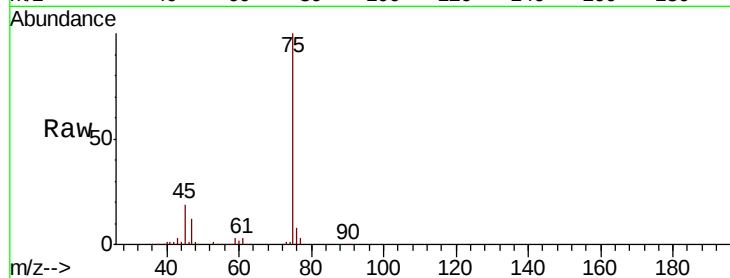
CL-02-072519-A

Tot Ion: 43 Resp: 5374

Ion Ratio Lower Upper

43 100

72 10.4 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 1.362 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011523.D

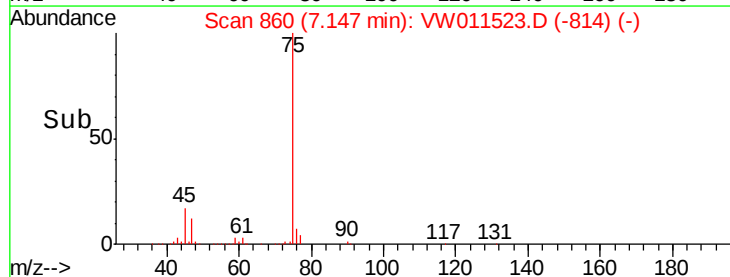
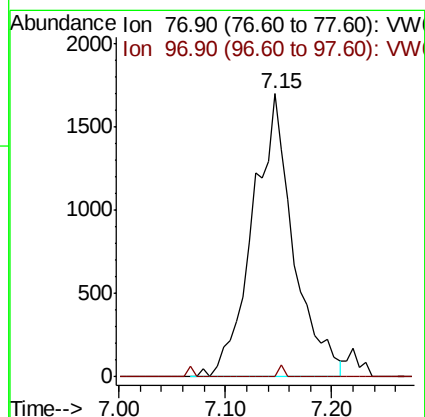
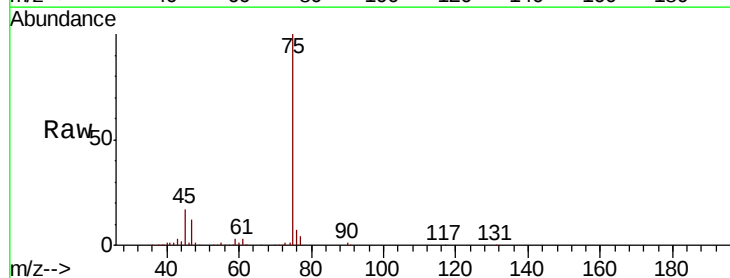
Acq: 26 Jul 2019 18:24

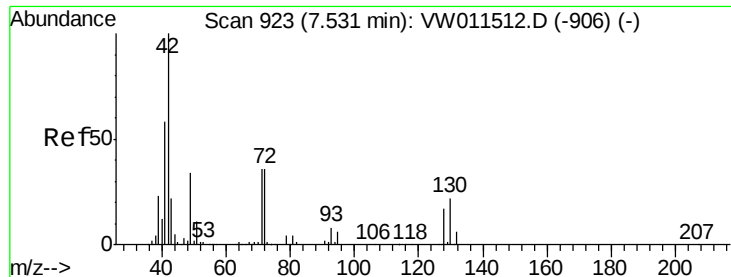
Tgt Ion: 77 Resp: 4565

Ion Ratio Lower Upper

77 100

97 0.6 10.8 32.4#

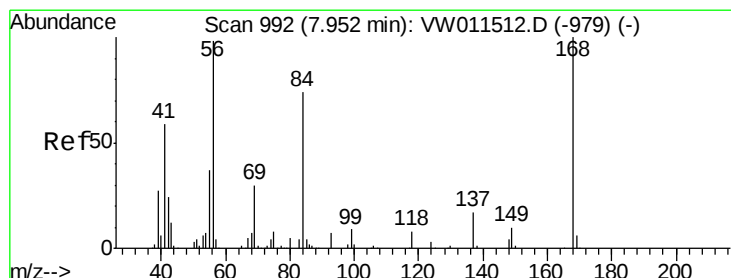
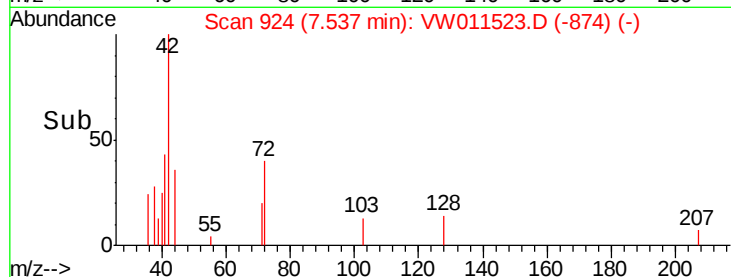
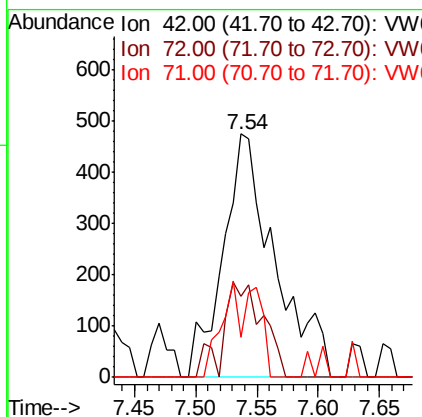
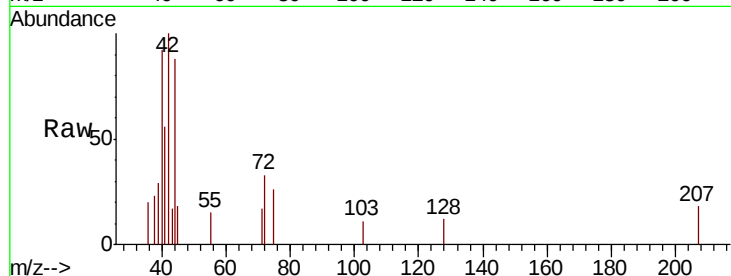




#29
Tetrahydrofuran
Concen: 2.098 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011523.D
Acq: 26 Jul 2019 18:24

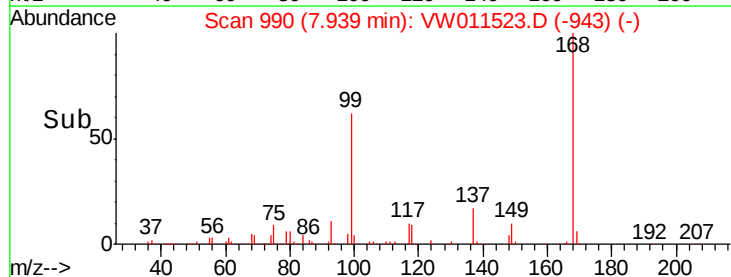
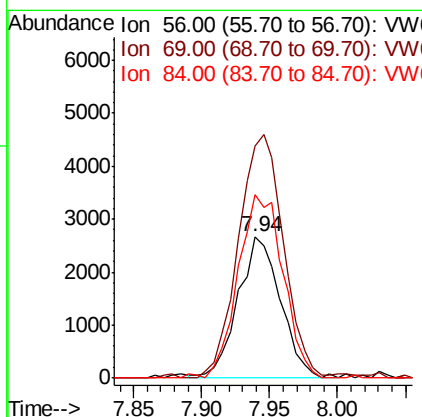
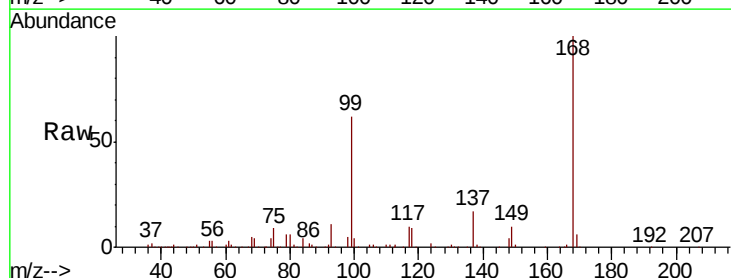
Instrument :
MSVOA_W
ClientSampleId :
CL-02-072519-A

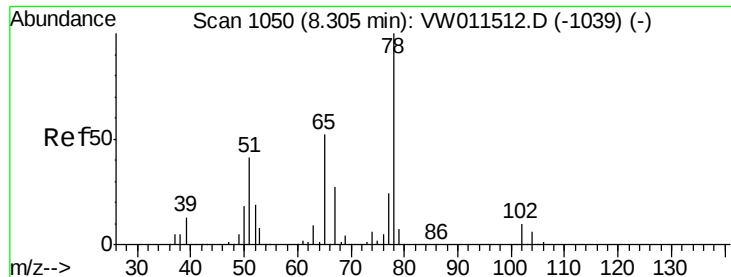
Tot Ion: 42 Resp: 1397
Ion Ratio Lower Upper
42 100
72 30.1 27.1 40.7
71 14.3 26.2 39.4#



#31
Cyclohexane
Concen: 1.120 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011523.D
Acq: 26 Jul 2019 18:24

Tgt Ion: 56 Resp: 5859
Ion Ratio Lower Upper
56 100
69 163.7 24.3 36.5#
84 129.9 60.4 90.6#

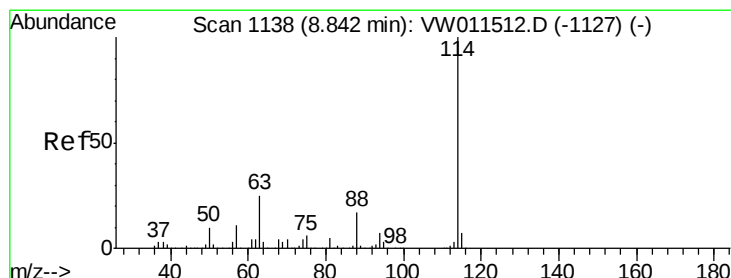
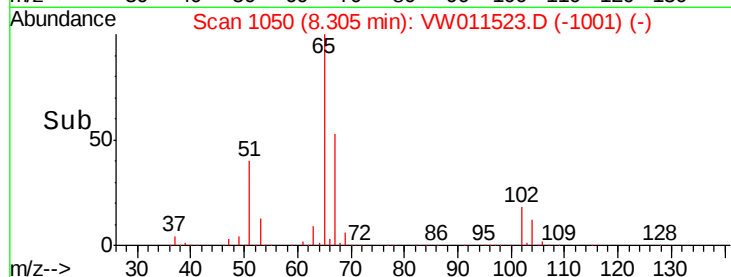
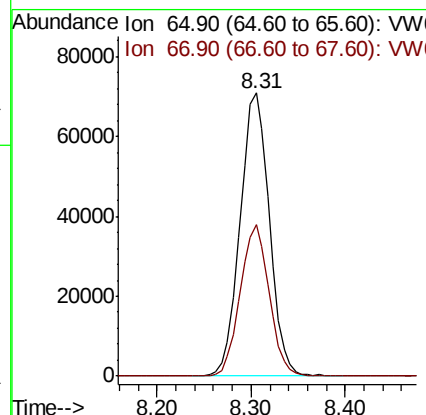
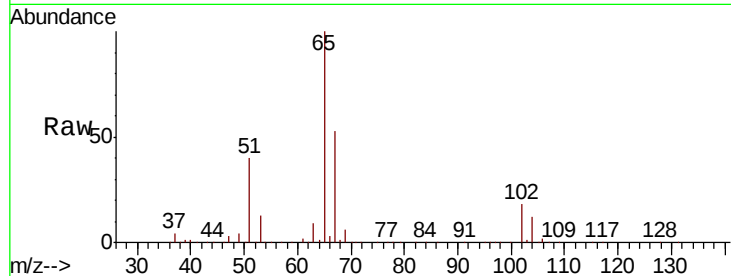




#33
 1,2-Dichloroethane-d4
 Concen: 55.066 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011523.D
 Acq: 26 Jul 2019 18:24

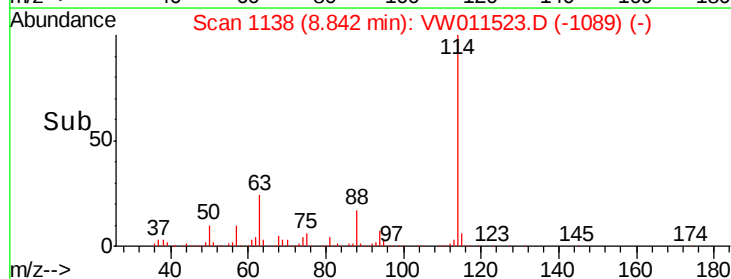
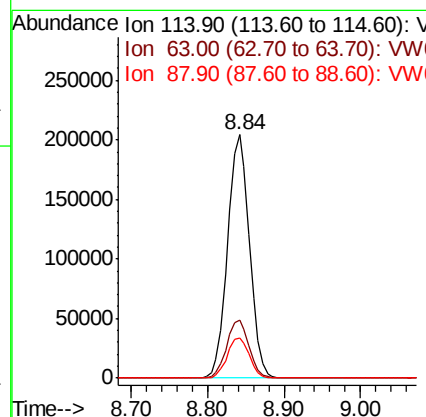
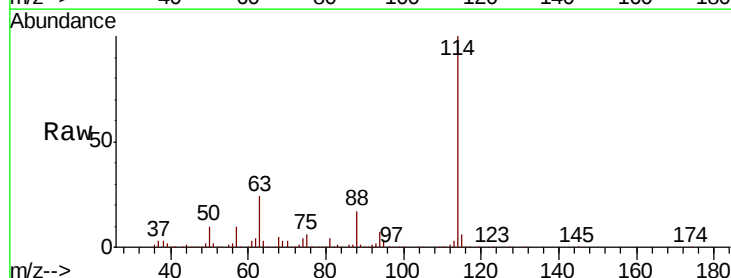
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-072519-A

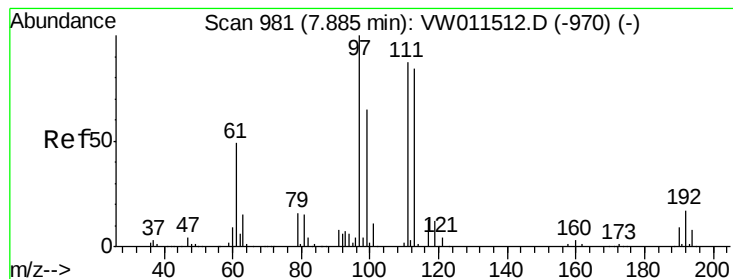
Tot Ion: 65 Resp: 154112
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011523.D
 Acq: 26 Jul 2019 18:24

Tgt Ion: 114 Resp: 402885
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 53.044 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011523.D

Acq: 26 Jul 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

CL-02-072519-A

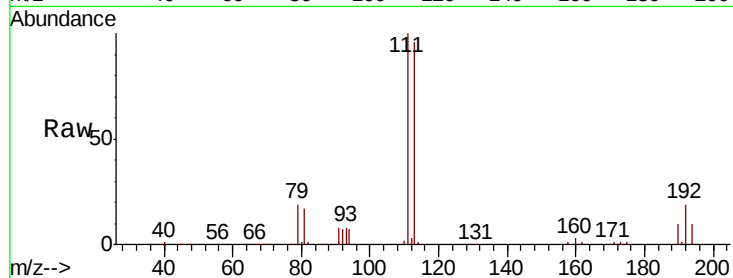
Tot Ion:113 Resp: 119892

Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

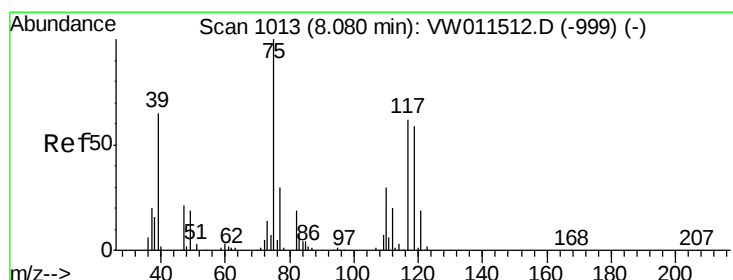
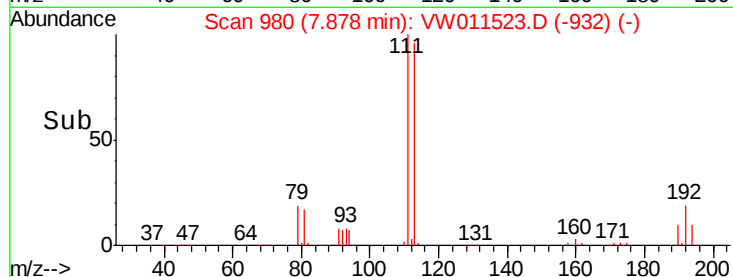
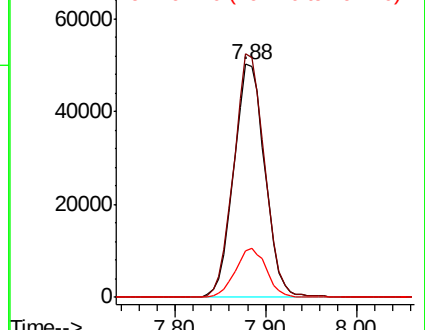
192 20.8 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.806 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011523.D

Acq: 26 Jul 2019 18:24

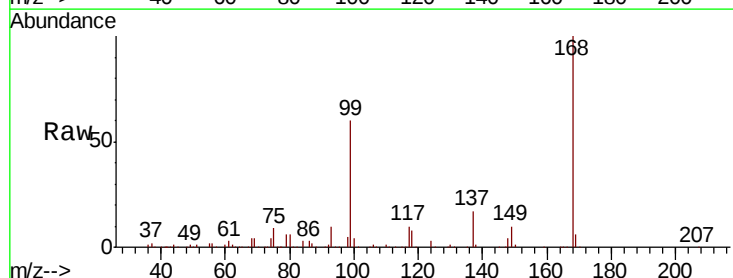
Tgt Ion: 75 Resp: 20135

Ion Ratio Lower Upper

75 100

110 9.2 15.6 46.8#

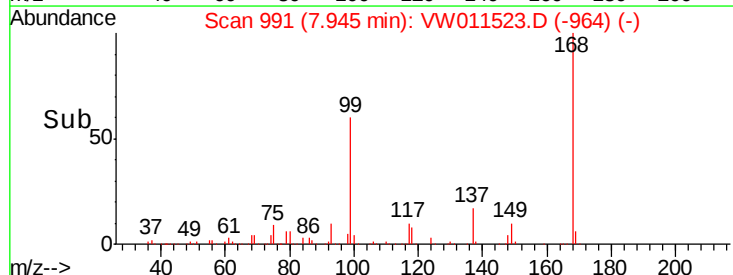
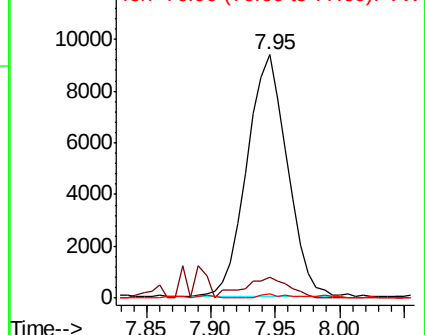
77 1.1 24.3 36.5#

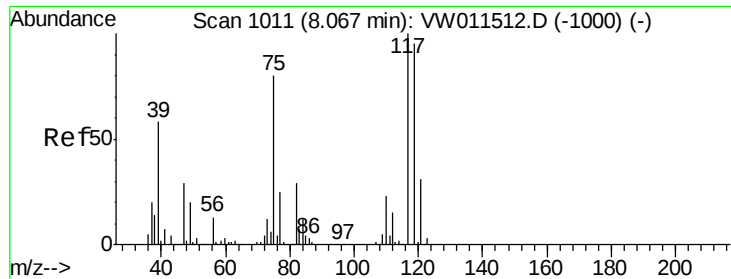


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

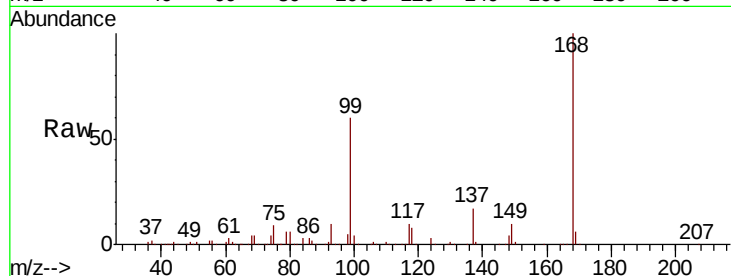




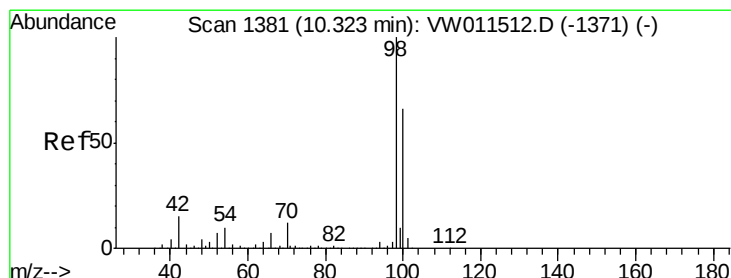
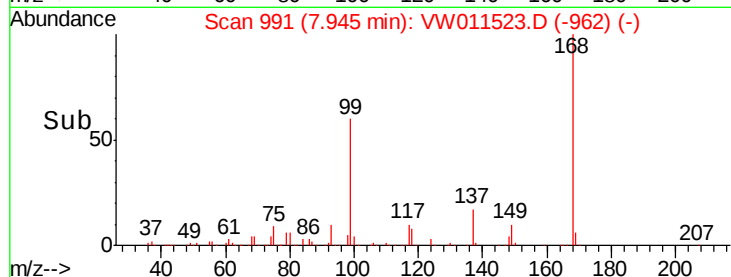
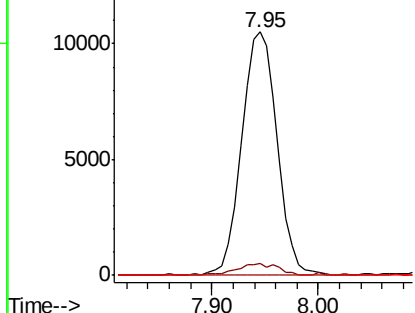
#38
Carbon Tetrachloride
Concen: 6.838 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011523.D
Acq: 26 Jul 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
CL-02-072519-A

Tot Ion:117 Resp: 24522
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 24.7 37.1#

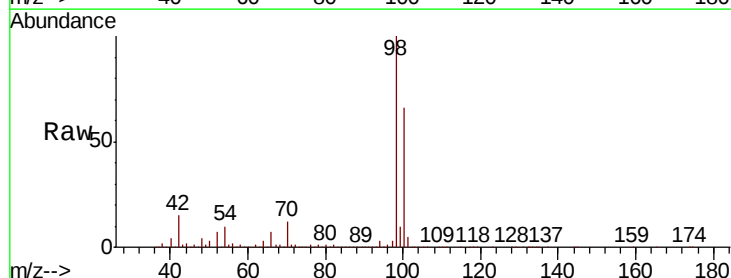


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

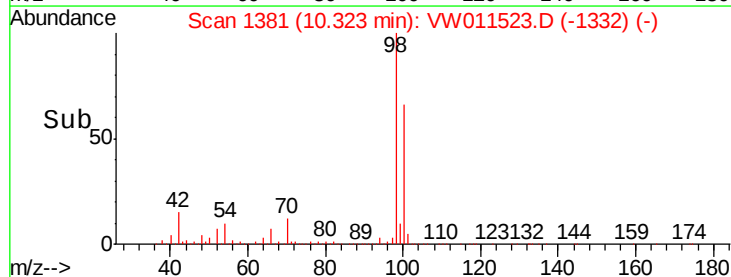
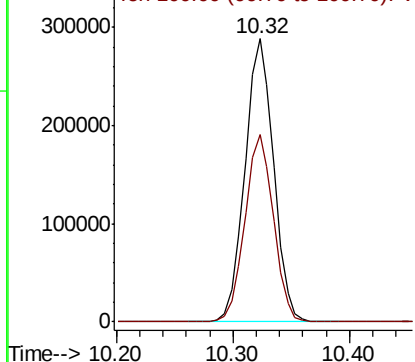


#50
Toluene-d8
Concen: 53.524 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011523.D
Acq: 26 Jul 2019 18:24

Tgt Ion: 98 Resp: 495315
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 50.353 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011523.D

Acq: 26 Jul 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

CL-02-072519-A

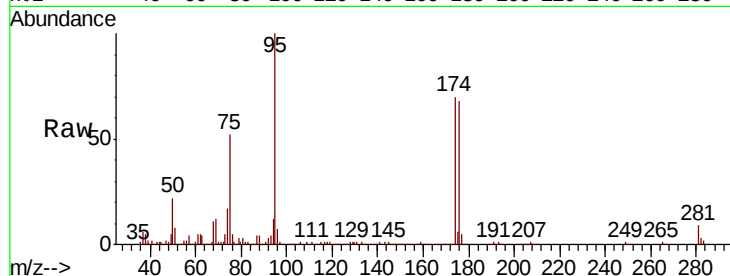
Tot Ion: 95 Resp: 166129

Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.2

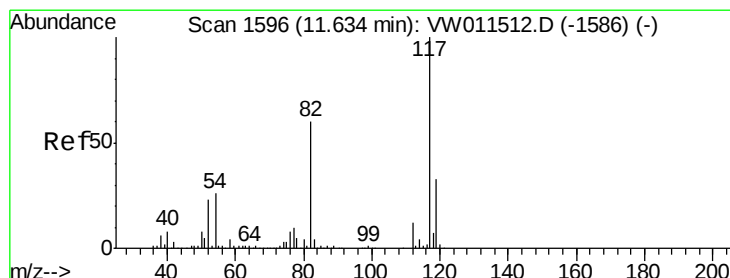
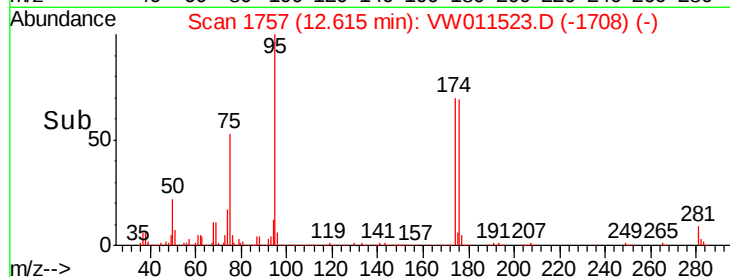
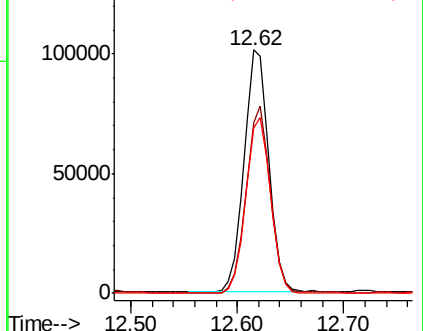
176 72.4 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW011523.D

Acq: 26 Jul 2019 18:24

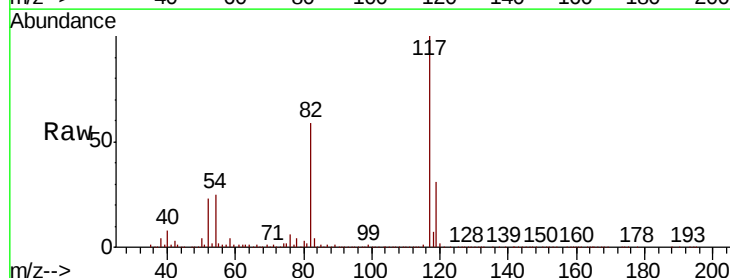
Tgt Ion: 117 Resp: 339159

Ion Ratio Lower Upper

117 100

82 58.5 47.9 71.9

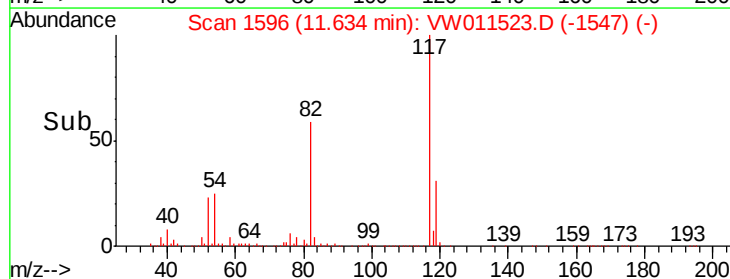
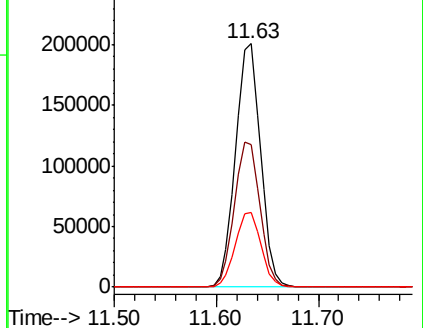
119 30.8 26.2 39.2

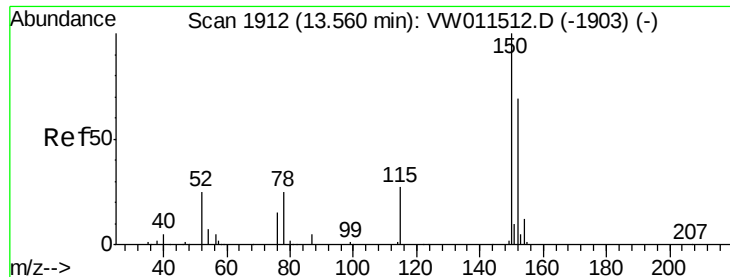


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011523.D

Acq: 26 Jul 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

CL-02-072519-A

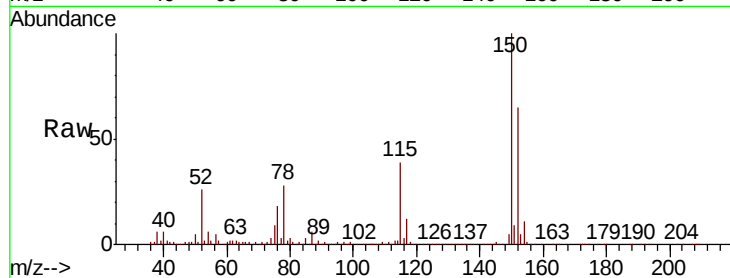
Tot Ion:152 Resp: 140595

Ion Ratio Lower Upper

152 100

115 59.8 30.5 91.5

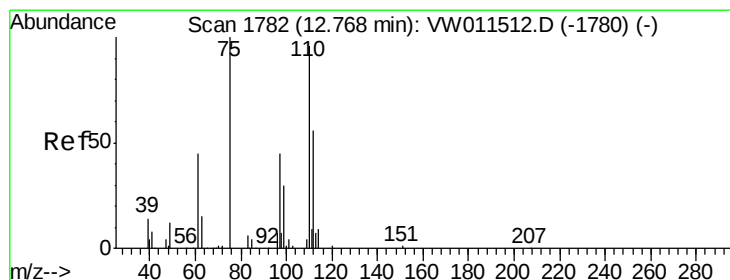
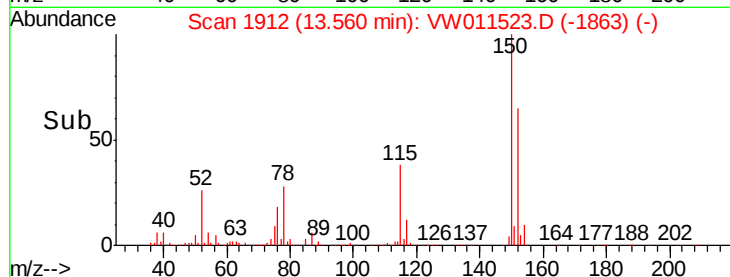
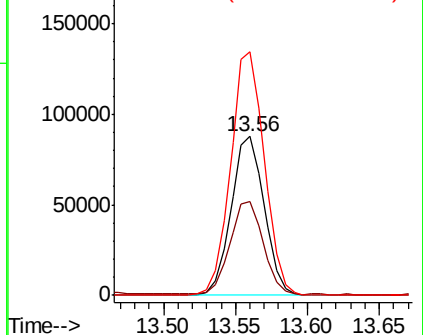
150 155.9 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 58.431 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011523.D

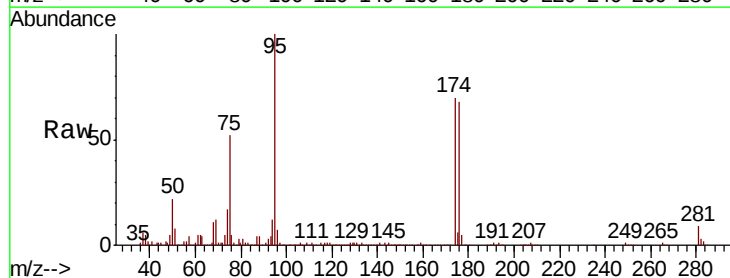
Acq: 26 Jul 2019 18:24

Tgt Ion: 75 Resp: 86925

Ion Ratio Lower Upper

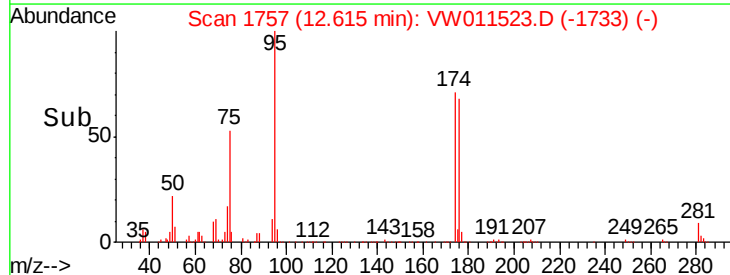
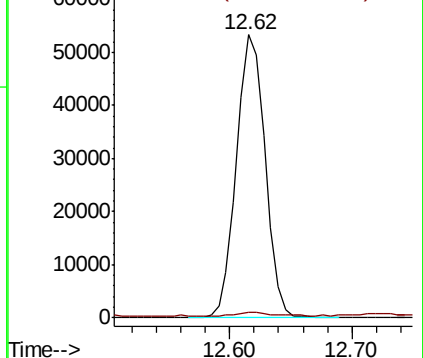
75 100

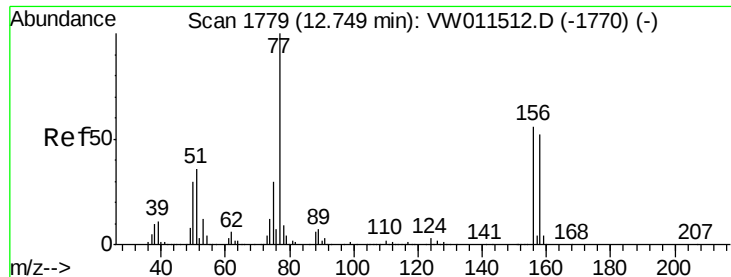
77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.623 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.13 min

Lab File: VW011523.D

Acq: 26 Jul 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

CL-02-072519-A

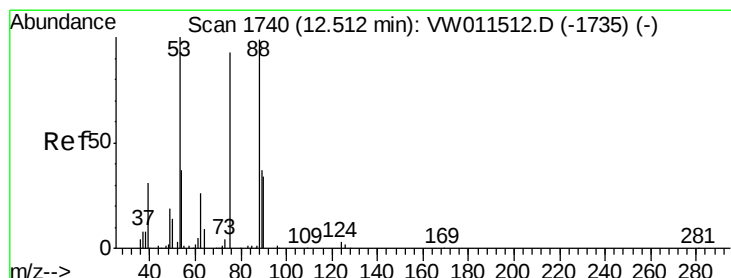
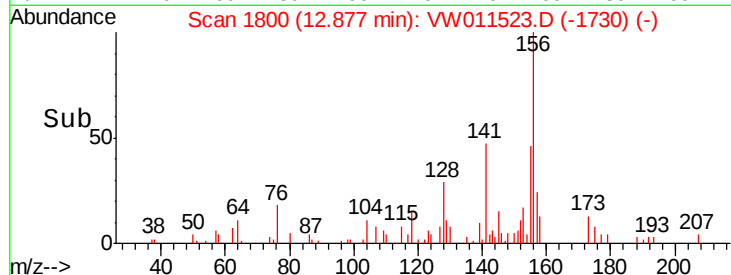
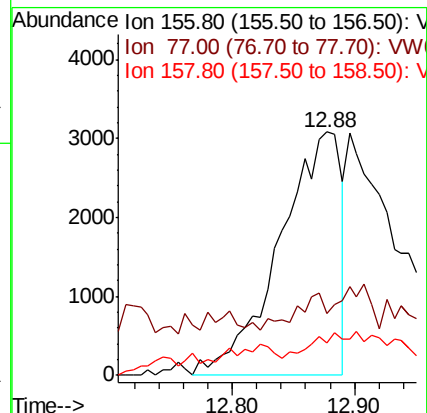
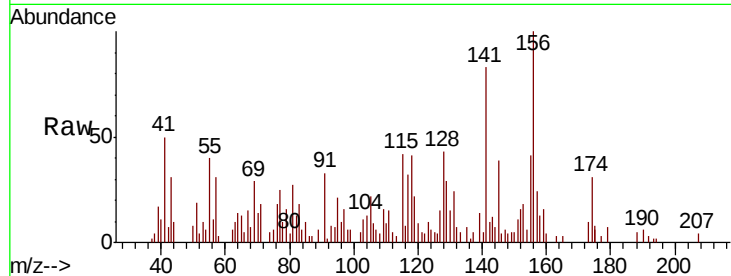
Tot Ion:156 Resp: 10718

Ion Ratio Lower Upper

156 100

77 10.9 106.5 319.4#

158 5.8 48.0 144.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 134.663 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011523.D

Acq: 26 Jul 2019 18:24

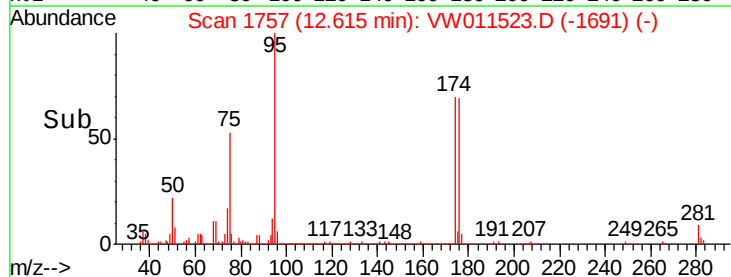
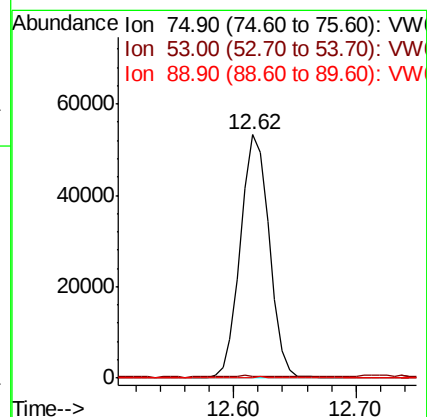
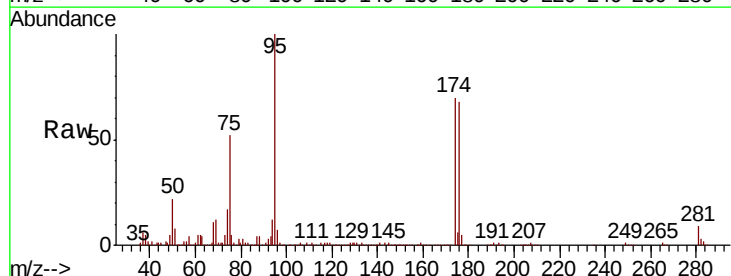
Tgt Ion: 75 Resp: 86925

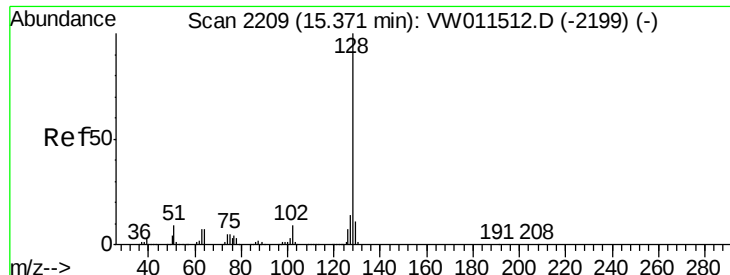
Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.2 35.3 52.9#





#95

Naphthalene

Concen: 2.361 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011523.D

Acq: 26 Jul 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

CL-02-072519-A

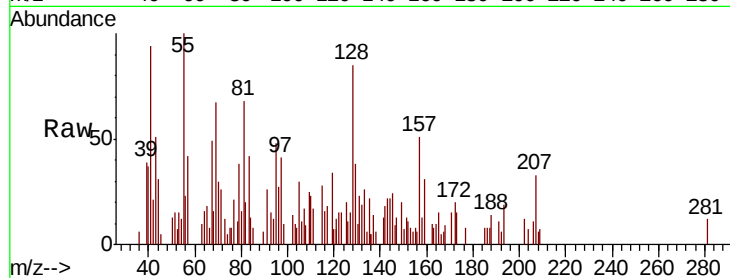
Tot Ion:128 Resp: 1706

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 15.2 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

